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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 18, 2003, 02:50:17 ; Search time 1339 Seconds

(without alignments)
1143.037 Million cell updates/sec

Title: US-09-807-933B-13

Perfect score: 1043

Sequence: 1 ggatcctgggacaagatgaa.....cgcaagtaaacgaggtatcc 1043

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1042519 seqs, 733713590 residues

Total number of hits satisfying chosen parameters: 2085038

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications NA:*

- 1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq:*
- 6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq:*
- 7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq:*
- 8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:*
- 9: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*
- 10: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq:*
- 11: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
- 12: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
- 13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
- 14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	286.4	27.5	1060	10	US-09-735-787-1
2	274.8	26.3	927	9	US-10-007-521-5
3	273.4	26.2	894	9	US-10-007-521-3
4	260.2	24.9	960	9	US-10-007-521-1
5	260.2	24.9	1174	9	US-10-007-521-11
6	247.8	23.8	1261	9	US-09-261-329-23
7	246.2	23.6	1132	9	US-10-007-521-21
8	240.2	23.0	913	9	US-10-007-521-13
9	237.8	22.8	885	9	US-10-007-521-23
10	235.4	22.6	1473	10	US-09-735-787-3
11	231.8	22.2	1423	9	US-10-007-521-9
12	214.6	20.6	1154	9	US-10-007-521-7
13	176.8	17.0	936	7	US-08-841-636A-30
14	141	13.5	425	9	US-10-007-521-25
15	130.6	12.5	808	9	US-10-007-521-15
16	129.8	12.4	1031	9	US-10-007-521-19
17	129.8	12.4	1048	9	US-10-007-521-17
18	85.4	8.2	171	9	US-10-007-521-51
19	83.8	8.0	165	9	US-10-007-521-77

Sequence 57, Appl
Sequence 31, Appl
Sequence 20241, A
Sequence 3471, Ap
Sequence 31, Appl
Sequence 14, Appl
Sequence 37, Appl
Sequence 19241, A
Sequence 2513, Ap
Sequence 39, Appl
Sequence 1, Appl
Sequence 41, Appl
Sequence 4, Appl
Sequence 71, Appl
Sequence 33, Appl
Sequence 20699, A
Sequence 69, Appl
Sequence 10, Appl
Sequence 37, Appl
Sequence 332, App
Sequence 332, App
Sequence 3, Appl
Sequence 4, Appl
Sequence 3699, Ap
Sequence 7, Appl

147 9 US-10-007-521-57
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7.0 1635 10 US-09-864-

TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
HYPOTHETICAL: NO
ORIGINAL SOURCE:
STRAIN: DSM 1800
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 73..924
FEATURE:
NAME/KEY: sig_peptide
LOCATION: 10..72
FEATURE:
NAME/KEY: CDS
LOCATION: 10..924
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-735-787-1
Query Match 27.5%; Score 286.4; DB 10; Length 1060;
Best Local Similarity 70.7%; Pred. No. 3.7e-63;
Matches 461; Conservative 0; Mismatches 166; Indels 25; Gaps 5;
381 CAGCGCTGTGAGCGGTGGCGCTAGCGGC-AACGGCGTCACTACCGGTACTGGGACTGCT 439
47 CCGCCCTGCGCGGTGTTGGCCCTTGGCCGCTGATGCGAGGTCCACCCGCTACTGGGACTGCT 106
440 GCAAGCTTCGTCTGCTGTCGCGCGGCAAGCTCAAGCTGAGCTGCGCTGTCAAGTCTCTGCA 499
107 GCAAGCTTCGTGCGGTGGGCAAGAGGCTCCGTGAACAGAGCTGCTTTCTTCTGCA 166
500 ACAAGGACGGCGTCAACGGCTCTTAGCGACTTCAACGCCCAAGTCCGGCTGCAA---CGGCG 556
167 AC---GCCAACTTCCAGCGTATCAGGACTTCAGCGCAAGTCCGGCTGCGAGCGGCGG 223
557 GCAACTCTACATGTGCAAGACACACAGCATGGGCTGTCAAGCAACCTTGTCTTACG 616
224 GTGTGCGCTACTGTTGGCGGCGACAGACCCCATGGGCTGTGAACAGAGCTTCGCGCTCG 283
617 GTTTCGCTGCGGTGCCATTTAGCGGCGGTGGCGAGAGCCGCTGCTGTCTCTGCTTCG 676
284 GTTTCGCTGCACTCTATTTCGCGGAGCAATGAGCGGCGTGTGTGCGCTGTCTACG 343
677 AGTCACTTCACTTCAACAGAGCTTGTGTCGCAAGAGATGTCGTCCAGGTCAACAC 736
344 AGTCACTTCACTTCAACAGAGCTTGTGTCGCAAGAGATGTCGTCCAGTCCACCAGCA 403
737 CTGGCGGTGACCTTGGCAGCTCGACCGTGGCCCACTTCGATCTCCAGATCCCGCGGCG 796
404 CTGGCGGTGATCTTGGCAGCAA-----CCACTTCGATCTCAACATCCCGCGGCGG 454
797 GCGTCGCGCATCTTCAACGGATGCTGCTCCAGGTGGGCGCTCCCAACAGCGGTGGGCGT 856
455 GCGTCGCGCATCTTCAACGGATGCTGCTCCAGGTGGGCGCTCCCAACAGCGGTGGGCGT 505
857 CGGCTACGCGGCGCATCAGTTCGCGGAGAGATGCTGCTCCCTCCCGAGCGGCTTCAGG 916
506 AGCGTACGCGGCGCATCTGCTCCCGCAACAGATGCGATCGGTTCCCGAGCGGCTTCAAGC 565
917 CCGGCTGCAAGTGGCGCTTCAACTGTTTCAAGACGCGGACACCGCTCCATGACCTACA 976
566 CCGGCTGCTACTGGCGCTTGCATGTTTCAAGACGCGGACATCCGAGGTTTCAAGTTCC 625
977 AGAGGTGACCTGCCCCAAGAGATCACCGCTTAAGACCGGATGCTCGCGCAA 1028
626 GTCAGGTCCAGTGGCCAGCGGAGTCTGCTGCTGCAACCGGATGCGCGCGCAA 677

RESULT 2

US-10-007-521-5
; Sequence 5, Application US/10007521
; Publication No. US20030054539A1
; GENERAL INFORMATION:

APPLICANT: Schulein, Martin
Andersen, Lene N.
Lassen, Soren F.
Kauppinen, Markus S.
Lange, Lene
Nielsen, Ruby I.
Inara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. US20030054539A1e1 Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. US20030054539A1o No. US20030054539A1disk of No. US20030054-
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 927 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
FEATURE:
NAME/KEY: CDS
LOCATION: 1..924
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-10-007-521-5

Query Match 26.3%; Score 274.8; DB 9; Length 927;
Best Local Similarity 68.5%; Pred. No. 3.1e-60;
Matches 429; Conservative 0; Mismatches 182; Indels 15; Gaps 3;
QY 406 GGCAACGGCGTCACTACCGCTACTGGGACTGCTGCAAGGCTTCGTGCTCGTGGCGCGGC 465
Db 64 GGATCGGCAGACGACCGGCTACTGGGACTGCTGCAAGCGGAGCTGGCGCTGGCGCGGC 123
QY 466 AAGGCTTAAGCTAGCTCGGCTGTCAAGTCTGCAACAAAGGAACGGCGTCAACGCTCTTAGC 525
Db 124 AAGGG---CCCTCGCTCGGCTGCGGCTGCGGCAAGAAACGCAACCGCTCAACGAC 180
QY 526 GACTCCAAAGCGGCTCGGCTGCAAC---GGCGGCACTCTTACATGTGCAAGCAAC 582
Db 181 GCGGCTTCAACCGGCTCGGCTGCGGCTGCGGCGGCGGCGGCTTCTCTCTCCAG 240
QY 583 CAGCATGGGCTGTCAACGACACCTTGTCTTACGTTTTCGCTCGGCTGCCATTAGCGGC 642
Db 241 AGCCCTTGGGCTGTCAGCGAGAGTGTCTACGCTGGGCGGCGGCTCAAGCTCGCGGC 300
QY 643 GGTGGGAGAGCGGCTGGTGTCTCTCTGCTTGTGAGCTCACCTTCACTCCACGAGGTT 702
Db 301 AGTCCGAGTCGAGTGGTGTCTCGCTGTCTAGAGCTGACCTTCAACGAGGCGCGTC 360

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QY 703 GCTGGCAAGAAGATGCTCCAGGTCAACACACTGGCGGTGACCTTGGCAGCTCGACC 762
Db 361 GCGGGCAAGAAGATGTTGAGGCGACCAACACCGGTGGCGACCTGGG-----C 411
QY 763 GGTGCCCACTTCAGATCTCAGATGCCCGGGGGGGGTGGGCATCTTCAAGGATCTCG 822
Db 412 GACAACCACTTTGACCTGGCCATCCCGGGGTGGCGGTGTCGGTATTTTCAACGCGCTGCACC 471
QY 823 TCCAGTGGGGGCTCCCAACGACGCTGGGGTCCGGTACGGCGGCATCAGCTCGGC 882
Db 472 GACCACTACGGGCGCTCCCGCAACGCGTGGGGGACCGCTACGGCGGCATCCATTCCAAG 531
QY 883 AGGAGTGTCTGCTCCCTCCCGAGCGCTCCAGCGGGGTGCAAGTGGGGCTTCAACTGG 942
Db 532 GAAGAGTGGCATCTTCCCGAGGCGCTCAAGCCCGGTGCAACTGGCGCTTCGACTGG 591
QY 943 TTCAAGAAGCGCGACCAACCGGTCCATGACTTCAAGGAGGTCACTTGGCCCGCAAGGAGATC 1002
Db 592 TTCCAAAACGCCGACCAACCGGTCCGTCACCTTCCAGGAGGTGGCGCTGCCCGTTCGAGCTC 651
QY 1003 ACGGCTTAAGACCGGATGCTCGGCAA 1028
Db 652 ACCTCCAAGAGCGGCTGCTCCCGTAA 677

RESULT 3
US-10-007-521-3
; Sequence 3, Application US/10007521
; Publication No. US20030054539A1
; GENERAL INFORMATION:
; APPLICANT: Schulein, Martin
; Andersen, Lene N.
; Lassen, Soren F.
; Kauppinen, Markus S.
; Lange, Lene
; Nielsen, Ruby I.
; Ihara, Michiko
; Takagi, Shinobu
; TITLE OF INVENTION: No. US20030054539A1el Endoglucanases
; NUMBER OF SEQUENCES: 109
; CORRESPONDENCE ADDRESS:
; ADDRESS: No. US20030054539A1o No. US20030054539A1disk of No. US20030054539A1
; STREET: 405 Lexington Avenue, 64th Floor
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10174-6401
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/007,521
; FILING DATE: 10-Dec-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/651,136
; FILING DATE: 21-MAY-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Lambiris, Elias J.
; REGISTRATION NUMBER: 33,728
; REFERENCE/DOCKET NUMBER: 4366.200-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-867-0123
; TELEFAX: 212-878-9655
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 894 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
```

```
;
; NAME/KEY: CDS
; LOCATION: 1..891
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-007-521-3

Query Match 26.2%; Score 273.4; DB 9; Length 894;
Best Local Similarity 68.5%; Pred. No. 7e-60;
Matches 427; Conservative 0; Mismatches 181; Indels 15; Gaps 3;

QY 406 GGCACAGCGGTCACTACCGCTACTGGGACTGTGTGCAAGGCTTGTGTGTCGTGGCCCGGC 465
Db 64 GGCATCGGCGACAGCACCGCGTACTGGGACTGTGTGCAAGCGGAGCTGCGCTGGCCCGGC 123
QY 466 AAGGCTAAAGTCAAGCTCGCTCAAGTCTCTCAACAGGACGGGTCAACCGCTCTTAGC 525
Db 124 AAGGG---CCCTGTCTCCGGTGCAGGCTCGACAGACGACACACCGCTCAACGAC 180
QY 526 GACTCCAAAGCCAGTCCGGCTGCAAC---GGCGGCAACTCTCTACATGTGCAACGACAAC 582
Db 181 GCGGCTCACCCTCGGTCCGGCTGCGAGCGGGCGGCGAGCGCTTACATGTCTCTCCAG 240
QY 583 CAGCCATGCGCTGTCAACGACAACTTGTCTTACGGTTTGTCTGCGCGCTGCATTTAGCGGC 642
Db 241 AGCCCTGTGCGGTTCAGCGACGAGCTGTCTACGGCTGGCGCGCTCAAGCTCGCCGCGC 300
QY 643 GGTGGCGAGAGCGGTGCTGCTCTCTCTTCCAGCTCACCTTCCACCTCCACCGGTT 702
Db 301 AGCTCGAGTCCGAGTGTGTCTGCGCTCTGAGAGCTGACCTTACACGAGCGGCGGTC 360
QY 703 GCTGGCAAGAAGATGCTCCAGGTCAACACACTGGCGGTGACCTTGGCAGCTCGACC 762
Db 361 GCGGGCAAGAAGATGATTGTGAGGCGACCAACACCGGTGGCGACCTGGG-----C 411
QY 763 GGTGCCCACTTCAGATCTCAGATGCCCGGGGGGGGTGGGCATCTTCAAGGATCTCG 822
Db 412 GACAACCACTTTGACCTGGCCATCCCGGGGTGGCGGTGTCGGTATTTTCAACGCGCTGCACC 471
QY 823 TCCAGTGGGGGCTCCCAACGACGCTGGGGTCCGGTACGGCGGCATCAGCTCGGC 882
Db 472 GACCACTACGGGCGCTCCCGCAACGCGTGGGGGACCGCTACGGCGGCATCCATTCCAAG 531
QY 883 AGGAGTGTCTGCTCCCTCCCGAGCGCTCCAGAGCGGTGCAAGTGGGGCTTCAACTGG 942
Db 532 GAAGAGTGGCATCTTCCCGAGGCGCTCAAGCCCGGTGCAACTGGCGCTTCGACTGG 591
QY 943 TTCAAGAAGCGCGACCAACCGGTCCATGACTTCAAGGAGGTCACTTGGCCCGCAAGGAGATC 1002
Db 592 TTCCAAAACGCCGACCAACCGGTCCGTCACCTTCCAGGAGGTGGCGCTGCCCGTTCGAGCTC 651
QY 1003 ACGGCTTAAGACCGGATGCTCGGCG 1025
Db 652 ACCTCCAAGAGCGGCTGCTCCCG 674

RESULT 4
US-10-007-521-1
; Sequence 1, Application US/10007521
; Publication No. US20030054539A1
; GENERAL INFORMATION:
; APPLICANT: Schulein, Martin
; Andersen, Lene N.
; Lassen, Soren F.
; Kauppinen, Markus S.
; Lange, Lene
; Nielsen, Ruby I.
; Ihara, Michiko
; Takagi, Shinobu
; TITLE OF INVENTION: No. US20030054539A1el Endoglucanases
; NUMBER OF SEQUENCES: 109
; CORRESPONDENCE ADDRESS:
; ADDRESS: No. US20030054539A1o No. US20030054539A1disk of No. US20030054539A1
; STREET: 405 Lexington Avenue, 64th Floor
```


448 TCGTGTCTGGCCCGGCAAGGCTAACGTCAGCTCGCTCTCAAGTCTCTCAACAGGAC 507
171 TCGTGGCTTGGCCCGGGAAGCGCGGTGAGCAACCGGTCTACGGTG---CGATGCC 227
508 GGGGTACCGCTTTAGCGACTCAACGGCCAGTCCGGCTGCAACGGCGGCAACTCTTAC 567
228 AACTTCAGCGCGCTGTCCGACTTCAATGTCCAGTCCGGGTGCAACGGCGGCTCGGCTAC 287
568 ATGTGCAACGACAGCAGCATGGGCTGTCAACGCAACCTTGTACGGTTTCGGTGC 627
288 TCGTGGCGGACAGACTCCCTGGCGGTGAACGAATCTCGCTACGGCTTCGGCGCG 347
628 GCTGCCATTAGCGCGGTGGCAGAGCCGCTGTGTCTCTGTCTTCCAGTTCACCTTC 687
348 ACGAGCATCGCCGGCGGTCCGAATCTCTGTGTGTGGCTGTACGGCTCACCTTC 407
688 ACCTCACCAGCGTTCTGGCAAGAAGATGCTCCAGTCCAGTCAACCAACTGCGCGTGAC 747
408 ACTTCGGGTCCCGTCCCGGCAAGACAATGTTGTGCACTCAACGAGCACTGGCGCGGAC 467
748 CTGGCAGCTCGACCGGTGCCACTTCGATCTCCAGATGCCCGGCGGCGGTCCGCATC 807
468 CTGGGAAG-----TAACAGTTCCGATATCGCCATGCCCGGCGGCGGTGGGCATC 518
808 TTCAACGGATGCTGTCTCCAGTGGGCGGTCCCAACGAGCGGTGGGCTCGGCTACGGC 867
519 TTCAACGGGTGAGCTCGAGTTGGGGGCTCCCG-----GGCGTCAATACGGC 569
868 GGCATCAGCTCCCGCAGCGACTGCTGTCTCTCCCGAGCGGCTCCAGCGCGGCTCAAG 927
570 GGCATTCGTGCGCGGACAGTGCAGTTCCTTCCCGCGCGCTCAAGCGCGGCTGCCAG 629
928 TGGCGCTTCACTGTTCAAGACGCGGCAACCGTCCATGACCTTCAAGGAGGTCACC 987
630 TGGCGGTTGACTGGTTTCAGAACCGCGCAACCGGACGTTTACGTTCCAGCAGGTGCAG 689
988 TGCCCAAGGAGATACCGCTAAGACCGGATGCTCGCGCAA 1028
690 TGCCCGCGGAGATCGTTGCCCGCTCGGCTGCAAGGCAA 730

RESULT 6

US-09-261-329-23
; Sequence 23, Application US/09261329
; Publication No. US20030092097A1
; GENERAL INFORMATION:
; APPLICANT: Andersen, Kim
; APPLICANT: Schuelein, Martin
; APPLICANT: Christiansen, Lars
; APPLICANT: Damgaard, Bo
; APPLICANT: Von Der Osten, Claus
; TITLE OF INVENTION: Cellulase Variants
; FILE REFERENCE: 4887.204-US
; CURRENT APPLICATION NUMBER: US/09/261,329
; CURRENT FILING DATE: 1999-03-03
; EARLIER APPLICATION NUMBER: 1013/96
; EARLIER FILING DATE: 1996-09-17
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 23
; LENGTH: 1261
; TYPE: DNA
; ORGANISM: Humicola grisea
US-09-261-329-23

Query Match 23.8%; Score 247.8; DB 9; Length 1261;
Best Local Similarity 66.0%; Pred. No. 2.1e-53;
Matches 414; Conservative 0; Mismatches 192; Indels 21; Gaps 3;
405 CGCAACGGGTGCTACCGCTTACTGGGACTCTGCAAGGCTTGTGTGTCGGCCCG 464
114 CGCCGATGGCAAGTCGACCAAGATCTGGGACTCTGCAAGCCATCTGTCTTGGCCCG 173

465 CAAGGCTAACGTCAGCTCGCTCTCAAGTCTCTCAACAGGACGGGCTCACCGCTCTTAG 524
174 AAGGCACTCGTGAACACGCTGTCTTCACTTTCGAC---GCCAATTCAGCGCATCAC 230
525 CGACTCCAAAGCCGCTAGTCCGGCTGCAACCGCGGCAACTCTTACATGTGTGCAACGACAA 584
231 CGACCCCAATACCAAGTCCGGCTGCGATGCGGCTCGGCTCTTTCGTGTGTCGACAGAC 290
585 GCATGGGCTGTCAACGCAACCTTGTCTTACGGTTTCGCTGCGGCTGCCATTAGCGCGCG 644
291 CCCCTGGGCTCTGAACGAGATGTCGCTTATGGCTTCGCTGCCACGGCTATTTTCGGGTGG 350
645 TGGCGAGAGCCGCTGTGTCTCTCTTTCAGTTCACCTTCCACCTCCACGAGCGTTGC 704
351 ATCGGNAAGCTCGTGTGTGTGGCATGCTACGCTCTTACTTTCACCTCGGGCCCTGTGGC 410
705 TGGCAAGAAGATGCTGTCTCCAGGTCAACCAACTGCGCGTGCACCTTGGGAGCTCGACCGG 764
411 CGGCAAGACCATGCTGTCTCCAGTTCGACCAACACCGCGGCGGATCTCGGCGC----- 462
765 TGCCCACTTCGATCTCCAGATGCCCGGCGGCGGCTCGGCACTTCAACGAGTGTCTGTC 824
463 -AACCATTTCCAGCTTCCAGATTCACAGGCGGCGGTGTTCGGCATCTTTGATGGGTGCA 521
825 CCAGTGGGCGGCTCCCAACGAGCGGTGGGCTCGGCTACGGCGGATCAGCTCCCGCCAG 884
522 CCAGTTCGAGGCTC-----TCGCTGGCGNACGCTACGGTGGCATCTCAGACCGCAG 572
885 CGACTGTCTGTCTCTCCCGAGCGGCTCCAGCGCGGCTGCAAGTGGCGCTTCAACTGGTT 944
573 CTCTCTGCTGCTGCTTCTCTTCCAGCGGCTCAAGCGCGGCTGCTGCGGCTTCGATTTGGTT 632
945 CAAGAACCGCGCAACCGCTCCATGACCTTCAAGGAGGTCACCTGCCCGCCCAAGAGATCAC 1004
633 CAAGAACCGCGCAACCGGACCTTTACCTTCAAGCAGGTGCGAGTGCCTCCCGCGGCTTGT 692
1005 CGCTAAGACCGGATGCTCGCGCAAGTA 1031
693 TGCCAGGACCGGCTGCAAGCGCGGGA 719

RESULT 7

US-10-007-521-21
; Sequence 21, Application US/10007521
; Publication No. US20030054539A1
; GENERAL INFORMATION:

APPLICANT: Schuelein, Martin
Andersen, Lene N.
Lassen, Soren F.
Kauppinen, Markus S.
Lange, Lene
Nielsen, Ruby I.
Ihara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. US20030054539A1el Endoglucanases

NUMBER OF SEQUENCES: 109

CORRESPONDENCE ADDRESS:

ADDRESSEE: No. US20030054539A1o No. US20030054539A1disk of No. US20030054539A1

STREET: 405 Lexington Avenue, 64th Floor

CITY: New York

STATE: New York

COUNTRY: United States of America

ZIP: 10174-6401

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA: US/10/007,521

APPLICATION NUMBER: US/10/007,521

FILING DATE: 10-Dec-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 1132 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
FEATURE:
NAME/KEY: CDS
LOCATION: 42..971
SEQUENCE DESCRIPTION: SEQ ID NO: 21:
US-10-007-521-21

Query Match 23.6%; Score 246.2; DB 9; Length 1132;
Best Local Similarity 66.0%; Pred. No. 5.4e-53;
Matches 410; Conservative 0; Mismatches 193; Indels 18; Gaps 3;

QY 406 GGCAACGGCGTCACTACCCGCTACTGGGACTGCTGCAAGGCTTCGTGCTGGCGCGGC 465
DB 99 GGCAACGGCGCGCACCAAGATCTGGGACTGCTGCAAGCGCTTCGTGCGGTGGAGAA 158
QY 466 AAGGCTAACGTCAGCTCGCTGTCAAGTCTGCAACAAAGACGCGCTCAACCGCTCTTAGC 525
DB 159 AAGGCTCCGTCAGCGACCGCTGCAAGCTGCGATAGGAACAACACCTCTCGCGTCC 218
QY 526 GACTTCAACGCCAGTCGCGCTGCAACGGCGGCACTCTACATGTGCAACGACCAACAG 585
DB 219 ACGGCCACGAGCGCTGCGATTCACACGGG---TCGCTTACAGCTGCAACGATAACCA 275
QY 586 CCATGGGCTGTCAACGACACCTTGTCTTACGGTTTTCGCTCGCTGCGCTTACGCGGCT 645
DB 276 CCGTGGGCTGTCAACGATACCTGGGCTATGTTTTCGCTGCGGCTTTCAGTGTGGA 335
QY 646 GCGAGAGCGCTGTGCTGCTCTCTGCTTCAGCTCACTTCACTCCACCAACGCTTGTCT 705
DB 336 TCGAGGCGCAGCTGTGCTGCTGCTATGCTTCCAGTTCAGTTCACCTCCGCGCTGTGCG 395
QY 706 GGCAGAGAGATGCTGCTCCAGGTCAACCACTGGCGGTGACCTTGGCAGCTCGACCGGT 765
DB 396 GGAAAGACCATGCTGCTCCAGTCGACAAACACCGGCGCGACCT-----CAGCGGC 446
QY 766 GCCCATTTCGATCTCCAGATGCCCGGCGGGCTCGGCATCTTCAACGGATGCTGCTCC 825
DB 447 AACCACTTTGACATCTCATGCGCGCGCGGCTTGGGCTTTCGAGGCTGCAACCCCG 506
QY 826 CAGTGGGCGCTCCCAACGACGCTGGGCTGCGGCTTACGCGGCGATCAGCTCCGCGAGC 885
DB 507 CAATGGGCGCTCAGCTTCCCG-----GGAACACCGCTTACGCGGCGCACCAACGCGCAGC 560
QY 886 GACTGCTTGTCTCCCGAGCGCTCCAGCGCGCTGCAAGTGGCGCTTCAACTGTTTC 945
DB 561 CAGTGTCCCAAAATCCCTCGGCTTCGACGCGGCTGCAACTGGCGGTACGACTGTTTC 620
QY 946 AAGAACGCCGACACCGCTGCATGACCTCAAGAGAGGTCACTTCCGCCCAAGAGATCACC 1005
DB 621 AACGACGCCGACACCGAGGTCTCGTGGCGCGCTTCAGTTCGCTGCGCGCACTCACC 680
QY 1006 GCTAAGACCGGATGCTCGGC 1026
DB 681 GACCGCACCGGCTCGCGCGC 701

RESULT 8

US-10-007-521-13
Sequence 13, Application US/10007521
Publication No. US20030054539A1
GENERAL INFORMATION:
APPLICANT: Schulein, Martin
Andersen, Lene N.
Lassen, Soren F.
Kauppinen, Markus S.
Lange, Lene
Nielsen, Ruby I.
Ihara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. US20030054539A1el Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSER: No. US20030054539A1o No. US20030054539A1disk of No. US20030054
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 913 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
FEATURE:
NAME/KEY: CDS
LOCATION: 41..706
SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-10-007-521-13

Query Match 23.0%; Score 240.2; DB 9; Length 913;
Best Local Similarity 63.9%; Pred. No. 1.7e-51;
Matches 403; Conservative 0; Mismatches 213; Indels 15; Gaps 2;

QY 409 AACGGCGTCACTACCGCTACTGGGACTGCTGCAAGGCTTCGTGCTCGTGGCCCGGCAAG 468
DB 101 AGCGGCGTGACAACCAAGTACTGGGACTGCTGCAAGCGCTTGTGCTTGGACGGGCAAA 160
QY 469 GCTAAGCTAGCTCGCTGCTCAAGTCTGCAACAGGACGGGCTCAACCGCTCTTAGGCAC 528
DB 161 GCATCGCTTCCAAGCGCGCTCGGAACCTTCGACATCAACGACAAACCCAGACGCGGAGC 220
QY 529 TCCAACGCCAGTTCGCGCTGCAACGGCGCAACTCTTACATGTGCAACGACCAACAGCAGC 588
DB 221 GATCTGCTCAAGTCTGCTGCTGATGGCGGAGCGCTTACTTCTGACGACACAGGCGCCA 280
QY 589 TGGGCTGTCAACGACAACTTGTCTTACGGTTTCGCTGCGCGCTGCCATTTAGCGCGGTGGC 648
DB 281 TGGGCGGTGAACGACAGCGCTTTCCTACGGCTTCGCTGCGCGCAAGCTGTTCGGGAAAGCAG 340

us-09-807-933b-13.rnpb

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503 ACAA-----CCACTTCGATCTCATGATGCCGGCGGTGTGTCTCGGTATCTTCGACG 553
815 GATGCTGCTCCAGTGGGGCGCTCCCAACGACGGCTGGGGCTCGCGCTACGGCGCATCA 874
554 GCTGCACCTCTGAGTTCGG-----CAAGGCTCTCGGGCGGTGCCCAAGTAGTACGGGTATCT 607
875 GCTCGCGCAGGAGTGTGCTCGTCTCCCTCCCGACGCGCCCTCCAGGCGCGCTGCAAGTGCGCT 934
608 CTTCCGGAAGGATGTGATGACTACCCCGAGCTTCTCAAGGACGGTGTGCCACTGGCGAT 667
935 TCACTGTTTCAAGAACGCGGACGACACCGCTCCTATGACCTACAGGAGGCTCACTGCCCA 994
668 TCGACTGTTTCGAGAACGCCGACACCCCTGACTTCACCTTTTGAGCAGGTTTCAGTGCCCCA 727
995 AGGAGATCACCCTAAAGACGGGATGCTCGCG 1025
728 AGGCTCTCTCGACATCAGTGATGCAAGCG 758

RESULT 11
US-10-007-521-9
; Sequence 9, Application US/10007521
; Publication No. US20030054539A1
; GENERAL INFORMATION:
; APPLICANT: Schulein, Martin
;              Andersen, Lene N.
;              Lassen, Soren F.
;              Kauppinen, Markku S.
;              Lange, Lene
;              Nielsen, Ruby I.
;              Ihara, Michiko
;              Takagi, Shinobu
; TITLE OF INVENTION: No. US20030054539A1el Endoglucanases
; NUMBER OF SEQUENCES: 109
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. US20030054539A1o No. US20030054539A1disk of No. U.
; STREET: 405 Lexington Avenue, 64th Floor
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10174-6401
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/007,521
; FILING DATE: 10-Dec-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/651,136
; FILING DATE: 21-MAY-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Lambiris, Elias J.
; REGISTRATION NUMBER: 33,728
; REFERENCE/DOCKET NUMBER: 4366.200-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-867-0123.
; TELEFAX: 212-878-9655
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1423 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 110..1156
; SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-10-007-521-9

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Qy 1006 GCTAAGACCGGATGCTCGGCAA 1028
db 690 AACCGCTCCGGCTCGGTCGGCAA 712

RESULT 13

US-08-841-636A-30
 ; Sequence 30, Application US/08841636A
 ; Patent No. US20020168751A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Miettinen-Oninonen, Arja
 ; APPLICANT: Londeborough, John
 ; APPLICANT: Vehmaanper Jari
 ; APPLICANT: Haakana, Heli
 ; APPLICANT: M ntyl , Arja
 ; APPLICANT: Lantto, Raija
 ; APPLICANT: Elovainio, Minna
 ; APPLICANT: Joutsjoki, Vesa
 ; APPLICANT: Palohelmo, Marja
 ; APPLICANT: Suominen, Pirkko
 ; TITLE OF INVENTION: NOVEL CELLULASES, THE GENES ENCODING THEM AND
 ; TITLE OF INVENTION: USES THEREOF
 ; NUMBER OF SEQUENCES: 45
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
 ; STREET: 1100 New York Avenue, N.W., Suite 600
 ; CITY: Washington
 ; STATE: D.C.
 ; COUNTRY: USA
 ; ZIP: 20005
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette, 3.50 inch
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/841,636A
 ; FILING DATE: 30-APR-1997
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 60/005,335
 ; FILING DATE: 17-OCT-1995
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 60/007,926
 ; FILING DATE: 04-DEC-1995
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 60/020,840
 ; FILING DATE: 28-JUN-1996
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/732,181
 ; FILING DATE: 16-OCT-1996
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/FI96/00550
 ; FILING DATE: 17-OCT-1996
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 ; INFORMATION FOR SEQ ID NO: 30:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 936 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA (genomic)
 ; ORIGINAL SOURCE:
 ; ORGANISM: Melanocarpus albomyces
 ; STRAIN: ALKO4237
 ; FEATURE:

